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The Missouri Miner, April 09, 1923

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Dr. Fulton

THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 9, No. 31.

Monday, April 9, 1923.

Price, 8 Cents.

MISSOURI MINING AND MET. ASSOCIATION TO HOLD SMOKER.

The Missouri Mining and Met. Association will hold a smoker Wednesday night at 7:30 P. M. in the Metallurgy Building. Messrs. Arthur Arthur Thatcher and Edward Hidden, of St. Louis, will be the principal speakers. Both of these men are entertaining speakers, and they are well versed on the important problems of the day so that any subject they might choose to speak on will no doubt be of great interest.

The older members of the Association will remember Mr. Thatcher for the excellent talk which he gave at one of their meetings last year, and will be glad to be afforded the opportunity of hearing him again.

It is hoped that a large turnout will greet these two men.

E. P. MATHEWSON, PRESIDENT OF A. I. M. & M. E., TO ADDRESS STUDENT BODY.

On Thursday, April 12 at 11 A. M., Mr. E. P. Mathewson, President of the American Institute of Mining and Metallurgical Engineers, will address the student body. Classes will be dismissed to allow every one to attend.

It is to be sincerely hoped that no one will miss this opportunity of hearing one of the biggest men in the mining world. His subject is as yet unannounced, but in view of his status, it can be safely said that whatever he chooses to talk upon will be of great value to his audience. We who are in school have many opportunities which others would gladly possess. Let us make use of this one and all the rest that come.

MINERS GET TOGETHER AT SHREVEPORT.

Attend Meeting of the American Association of Petroleum Geologists.

At the eighth annual meeting of the American Association of Petroleum Geologists held at Shreveport, La., March 22-24, more than a dozen M. S. M. men were present. The Association discussed matters of importance and interest to the petroleum geologist. A paper on "The Chemical Relations of Salt Dome Waters" was

Continued on Page Two.

DR. KAHLBERG ADDRESSES STUDENT BODY.

Head of Wisconsin University Chemistry Department.

Dr. Kahlenberg, head of the Chemistry Department of Wisconsin University addressed the student body at Mass Meeting hour Friday. Dr. Kahlenberg was presented to the assembled students by Professor Dean, who, with a few well chosen remarks explained the future policy of the Wesleyan Foundation in bringing speakers of National fame to the M. S. M., and expressed his opinion that hereafter there would be no cause to misunderstand the motives back of the action of this organization.

Previous to his lecture Friday morning Dr. Kahlenberg had met, on Thursday evening, with the Diphenyl Dozen, the local chemical society and some one hundred assembled students and professors, and discussed for them, in a general way, some phases of the research work in which he is at the present time engaged. In his discussion he touched on many points relative to the phenomenon of osmosis, and its relation to the human body.

At the Friday morning lecture Dr. Kahlenberg had chosen as his subject "The Trend in Science." As an investigator Dr. Kahlenberg has spent most of his active life in research work at Wisconsin University, and stands in a position to speak with some authority on scientific research work. In his discourse he took audience back into the history of the early researches, and showed how at different periods the "Trend" in science was pointing along different lines of research work. In part, the speaker gave a brief history of chemical research work up to the present time, where he says our "Trend" is one of "questioning" the correctness of the laws we have so long taken as fundamental. And he sees no sign in this "Trend." As he aptly put it at the close of his lecture "Let 'er Go, Gallagher." In other words do not fear this "questioning" attitude, as so many are assuming at this time. It is no more than the "Trend" of the time.

On Friday evening the Methodist

GRADUATE STUDENTS TO HOLD BANQUET MAY 4TH.

Some time ago the Graduate Students announced that during the year a banquet would be held, with Dr. J. C. Jones President of the University, as a guest, for the purpose of creating a better spirit of co-operation between the University and the School of Mines, especially in the matter of graduate work. The date for the banquet has been set several times during the past semester, but, because of his connection with affairs at Jefferson City, Dr. Jones has been unable to come.

At a meeting of the Graduate Students held last week, it was finally decided to hold the banquet on Friday evening, May 4, as a part of the Commencement program. It is not known at present what representative of the University will be here to officiate at the Commencement exercises Saturday morning, but, whoever he may be, he will also represent the University at the banquet the previous evening. Since Dr. Jones's resignation takes effect April 29th, it is very doubtful if he will be here, much as those concerned might wish it.

Since the inception of the idea of a banquet, the Graduate Committee of the Faculty has been working with the Graduate Students, for the former have heartily endorsed the idea. Dr. Fulton has been and is lending whatever help he can. It is planned to have present at this banquet the Faculty, the Graduate Students, visiting Alumni, the Seniors, and both Phi Kappa Phi and Tau Beta Pi. In other words, the purpose has been enlarged to include a general M. S. M. get-together, in addition to the original objects as set forth. The Graduate Students would like to see the custom continued in coming years.

The banquet will be held in the Gym. Watch for further announcements concerning it.

Engineers entertained Dr. Kahlenberg in the church parlors, at which time he gave another interesting talk.

Continued from Page One

presented by H. E. Minor, '10.

Informal Banquet.

On March 23 it was decided to hold an informal get-together banquet just for M. S. M. men. Those who attended the banquet were: G. B. Morgan, '04; D. P. Hynes, '08; E. D. Lynton, '12; F. P. Shayer, '17; W. J. Nolte '19; G. W. Pryor, '19. L. S. Harlowe, '20; M. C. Lucky, '20; Joe M. Wilson, '21; and J. M. Forgotson, '22. The others who were at the meeting, but who were unable to attend the banquet were: H. E. Minor '10; R. S. Burg, '16. M. E. Wilson, '20; K. Aid, '20.

Geologists Should Join A. A. P. G.

One of the points discussed at the luncheon was that many M. S. M. graduates now working as petroleum geologists, are not joining this Association. It takes three years' experience as a petroleum geologist to become a full member. The dues are \$10.00, which also includes the bulletins of the association, in which are published articles of great value to all men interested in petroleum. Undergraduates at M. S. M. who are taking petroleum courses are invited to join as associates. The dues of an associate are \$6.00 a year, which also includes subscription to the Bulletin. It is hoped that all students at M. S. M. eligible to become associate members of the A. A. P. G. will avail themselves of the opportunity as they will derive much good from it.

Next Meeting in Los Angeles.

The next semi-annual meeting of the A. A. P. G. will be held in September or October in Los Angeles, California.

Any M. S. M. men who may attend this meeting are invited to call on E. D. Lynton '12, at his office at 634 Higgins Building, Los Angeles, where they will receive a hearty welcome.

CAPTAIN MEDDING ON LEAVE.

Saturday afternoon Captain W. L. Medding, U. S. A., in charge of the local R. O. T. C. Unit, and his family, left for Allston, Mass. to spend a two months' leave. Upon his return to duty he will be at the R. O. T. C. Engineer Summer Camp at Camp Custer, Michigan. He will return to Roila in August.

FORMER MINER HONORED**AT COLUMBIA (N. Y.)**

John S. Brown, M. S. M. '17, who is the holder of the Emmons Memorial Fellowship at Columbia University, has just been elected to the honorary scientific fraternity, Sigma Xi.

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LEGISLATURE GRANTS APPROPRIATION FOR M. S. M. FOR 1923-24.

A liberal appropriation for the support and maintenance of M. S. M. during 1923 and 1924 was made by the State legislature at the recent session. The sum total of the appropriation for the biennia period was \$561,000. There was also a deficiency appropriation of \$91,800, to meet the deficiency of 1921-22, thus making a grand total of \$652,800.

Altho the amount appropriated is not as much as was asked for by the Board of Curators, it is the largest appropriation that has ever been made to the school. Much credit is due to the efforts of Senator Frank H. Farris and Representative S. N. Lorts, of Rolla, for their interest in supporting and furthering the bill.

The appropriations were as follows:

Support and maintenance.....	\$325,000
Department maintenance.....	100,000
Experiment Station (Bureau of Mines).....	50,000
Repair of buildings.....	20,000
Finishing and furnishing new building	25,000
Coal and gasoline.....	35,000
Student Labor.....	6,000

Total\$561,000
Deficiency appropriation..... 91,800

Grand total.....\$652,800

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CLASS IN POWER PLANTS LABORATORY CONDUCTS BOILER TEST.

Several Members Distinguished Themselves.

Under the direction of Prof. W. B. Miller, the class in Power Plants conducted a 24-hour test on one of the two batteries of two boilers each in the school power plant. The test started at 1 P. M. Saturday and ended at 1 P. M. Sunday. The class was divided into three shifts, each of which worked 8 hours.

Tests were made and records kept of amount of coal and water, quality of steam generated, amount of ashes removed, flue gas, temperature and analysis, thickness of fire bed, and other minor details which served to complete the above data. While it must be admitted that the work was done by novices, and some mistakes were made still the test should prove of value, not only in giving those who did the work some experience, but also in showing the superintendent of the plant, Prof. Jackson, how his plant is running.

This is the first boiler test that has been run here for some time, unless our knowledge of the subject is deficient. It would have been interesting had it been possible to make a comparison between the old plant and the plant as it is now. The work of re-modeling, done under the personal direction of Prof. Jackson, is barely completed. Such a comparison should show a decided change for the better for the power plant, as it is now is strictly modern.

Incidentally several members of the class distinguished themselves. The worst trouble they had was keeping awake, but this trouble was not experienced entirely by those on the "owl" shift.

First of all, D. Zimmerman went sound asleep on his job of weighing feed water, and so spilled a considerable quantity. An estimate of the loss by Prof. Miller saved the day. Later on, George Zeller who followed Zimmerman on the feed water job, and who was warned against a repetition of the mistake, said: "Don't worry. I'm like Cascares. I work while I sleep."

Bill Keeling caught the disease, too, and came near making a fatal error in coal weights. K. M. Bowman came forward at that time with his ever useful calculus and cleared up the matter.

Eats were had in abundance. Each shift brought along a larger supply than the preceding one, so that several of

the members on the last one had considerable difficulty in moving about.

DR. ISIDORE LOEB ELECTED TEMPORARY PRESIDENT OF MISSOURI UNIVERSITY.

Succeeds Dr. John Carleton Jones.

At a meeting of the Board of Curators, held in Kansas City on April 4th, Dr. Isadore Loeb, Dean of the Faculty of Business and Public Administration, was elected Temporary President of Missouri University. Dr. J. C. Jones, present head of the institution, tendered his resignation nearly a year ago. It takes effect April 29, and altho the Board of Curators has been considering several men for the position for some time past, no decision has been made as yet. Since it was necessary to provide a head for the University, the present expedient has been resorted to.

Dr. Loeb is a man well qualified for the position he is about to take. He has been connected with M. U. for not a few years. He is well known and well respected. The School of Mines wishes him success.

Dr. Jones, whose connection with the University is of long standing is retiring to private life.

STUDENT ELECTIONS

POSTPONED.

Owing to the fact that several of the nominees for student offices, made at the recent meeting of the Student Senate have resigned, the election scheduled for April 12th, next Thursday, has been indefinitely postponed.

We hear that "Little Joe" has purchased a Colt 45, and can't help wondering if he did not interpret Prof. Garst's black eye as the handwriting on the wall.

Dave Kimble has accepted a position with the United States Geological Survey, and will depart for Alaska about the twenty-sixth of April. We extend best wishes.

Dale Crippen left for the purpose of entering the Springfield hospital at Springfield, Mo. Mr. Crippen intends to undergo a minor operation. We hope for his speedy return to school.

We think it would be well to have the school moved to Cuba, or Cuba moved up here, if possible, for Coffman and Parker are trying to go to school here and live in Cuba, which they are finding very hard to do as the body requires eight hours for sleep out of twenty-four. We haven't found out what the attraction is, but we are sure it is some of the fair sex, as both men have a weakness along that line.

THE MISSOURI MINER.

A weekly paper published by the Students, in the interest of the Alumni, Students and Faculty of the Missouri School of Mines and Metallurgy, Rolla, Mo.

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M. S. M. Alumni Association.

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AN APPRECIATION.

Two years ago there was instituted at M. S. M. a new branch of athletics. New, not in the sense that it had never been recognized at any other school, but that it had never before occupied the position of a representative sport at M. S. M. It was thru the efforts of George Bishop, captain of the 1923 wrestling team, that the Miners are now represented by a wrestling team. When Bishop entered school here several years ago he saw the opportunity to advance M. S. M. in the athletic world by means of this new sport and, possessing a knowledge of the game himself, he gladly offered to impart his knowledge to any others who might be interested. As is always the case when attempting anything new, progress was rather slow at the start. To begin with there were very few men in school who had any knowledge of wrestling whatever, and the little knowledge they did possess was very limited. But the men were willing to work hard, willing to learn, and thanks to Bishop's untiring and unselfish efforts, and to these pioneers of the sport at M. S. M., we are represented by a team of which we are justly proud.

Wrestling is still in its infancy here, but it has a good foundation and a bright future.

Captain Bishop is leaving school this

spring, and will not be with us next fall. His loss will deprive the Miners of a man who gave much of his time to push M. S. M. forward, a hard worker, and a good sport.

DR. KAHLBERG'S VISIT.

Those who were fortunate enough to prevail upon themselves to attend mass meeting Friday morning were well paid for their efforts. It is not often that M. S. M. has the opportunity to entertain and listen to a speaker who is so closely related to the work we, as engineers, are interested in. Dr. Kahlenberg's pleasing personality, and striking manner of presenting his points, never let his subject become dry or monotonous, but rather his audience was awake and alert to the romance that underlies the great subject of chemistry. It might be remarked here that if all chemistry could be presented or easily established in the student mind in the way Dr. Kahlenberg presented it, there would probably be less disinterested students in chemistry.

In all Dr. Kahlenberg's visit to M. S. M. was one well worth the notice and attention of each student. It is to be hoped that M. S. M. may have the opportunity to again welcome Dr. Kahlenberg, and in the future entertain other men of Dr. Kahlenberg's calibre—men who can speak on subjects in which we as students are interested. We like to make the acquaintance of such men, and congratulate the students of Wisconsin University on having such a man as Dr. Kahlenberg on their faculty.

**TREATMENT OF ZINC
RETORT RESIDUES.**

Large tonnages of residues from the retort distillation of zinc ores, containing much unburned coal and several per cent of zinc as well as lead and silver, are now discarded as waste. Several methods have been proposed for treating these residues and some are in use in certain places, especially where the residues contain lead and silver. A survey will be made by the Mississippi Valley Experiment Station of the Bureau of Mines of the processes which have been proposed and of those which are now in use for the treatment of this material, and data collected as to the tonnages available and typical analyses, both of commonly produced residues and of those in the industry who are working on this problem. If the survey indicates it to be advisable, experimental work will be inaugurated by the Bureau of Mines in an effort to develop some process to recover economically

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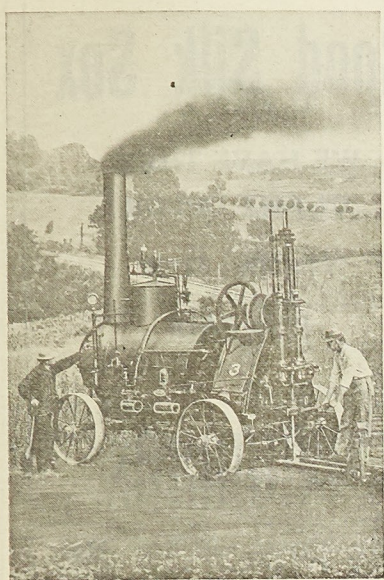
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The Virgil A. Faulkner Post was well represented at the Third Annual State Encampment of the Veterans of Foreign Wars, which was held at Columbia, Mo. on April 2, 3 and 4.

The local Post is now the second largest in the state, having 160 members, and is composed almost entirely of students. This allowed the Post eleven votes in the encampment. Three of the eleven State Department officers elected at the encampment were from the Rolla Post namely: Col. James L. Peatross, Senior Vice-Commander; Prof. T. G. McCarthy, Judge Advocate; and F. C. Schneeberger, chairman Council of Administration. All of the above officers were elected for a term of one year with the exception of Schneeberger, who was elected for five years.

The delegates who made the trip are: Wm. Alton, George Berry, M. L. Atkinson, C. B. Neil, Lee Elliott, C. D. Townsend, Col. James L. Peatross, Prof. T. G. McCarthy, Joe Riggs and F. C. Schneeberger. They drove over in cars furnished and piloted by E. A. Shirley, E. Elshire and C. D. Townsend.

**THETA TAU ENTERTAINS SIGMA
GAMMA EPSILON AT SMOKER.**

On Saturday evening, April 7th, Iota chapter of Theta Tau entertained the local chapter of Sigma Gamma Epsilon with a smoker. The speakers on the program that preceded the social time were Mr. H. J. Schiedmeyer and H. V. Fairchild. Schiedmeyer talked on his experiences in the Illinois Fluorspar District, and Fairchild told of the methods of recovery of brass junk in East Chicago.

The audience numbered about thir-

ty. After the talks, coffee and sandwiches were served.

BUREAU OF MINES**CONFERENCE.**

At a recent conference of the officials of the Mississippi Valley Experiment Station of the Bureau of Mines located at M. S. M., several important matters were discussed and passed upon.

The future completion of the new building on the campus, to be occupied by the Bureau of Mines and State Experiment Station, necessitated plans being made for the coming year. As it looks now the building will be ready for occupancy in the fall, and plans for furnishing the various laboratories have been gone into thoroughly.

Also, steps were taken to increase the technical staff of the Bureau when the new building is taken over.

Plans were also laid for the research work which the Bureau will carry on during the coming year.

As to the past work of the Bureau, definite results will soon appear in the form of bulletins and papers. Bulletin No. 208, by B. M. O'Harra, will cover the field of Electro-Thermic Zinc, while a paper on Zinc Retort Residue treatment has been prepared, as well as a second paper on the disintegration of brick in condenser linings by CO gas.

SQUARE AND COMPASS**BANQUET.**

The banquet originally planned for Thursday, April 12, has been postponed until Tuesday, April 17, at the Baltimore Hotel. Watch bulletin boards for further announcement.

BANQUET COMMITTEE.

**M. VALERIUS, PETROLEUM
GEOLOGIST.**

Tulsa Paper Writes Up Alumnus

In the Sunday Magazine Section of the Tulsa Tribune of March 25 there appears under the heading "Community Builders of Tulsa," a whole page devoted to intimate sketches of M. Valerius, an alumnus of M. S. M. Mr. Valerius is a charter member of the Alumni Association, and has always been an earnest worker for the interests of M. S. M. The following article appears below the sketches:

Mr. Valerius enjoys the distinction of being one of the first geologists to locate in Tulsa. Iowa claims him as a native son. He was born in Sigourney, in that state, in 1872. His early education was received in the grade schools of his home town, where he graduated from high school. Then he attended Drake University at Des Moines. Still later he became a student in the Missouri School of Mines at Rolla, Mo. His life has been devoted to professional work in the field of geology. During the first few years after college he conducted mining tests in the coal regions of Oregon.

In 1912 Mr. Valerius came to Tulsa and organized the company which now bears his name and at the same time maintained an office at Billings, Mont., in addition to a branch office at Lexington, Ky.

Petroleum geologists in the early days of the oil business were a minus factor, and it took time to bring to the notice of oil men the need for trained engineers who had devoted their lives to studying the substances of Old Mother Earth. The Gypsy Oil Co. was the first big corporation to employ a staff of geologists, and the accuracy of these men in determining the correct formation in which oil is found has been a huge factor in developing this rich country at the least possible expense.

Mr. Valerius is very much interested in his profession, and is always on the alert for new discoveries, being a constant student pertaining to things needful in developing it.

He is a member of the Lion's Club, Chamber of Commerce and has other civic associations which indicate his interest in matters of progressive citizenship.

He is a member of the American Institute of Mining and Metallurgy, a member of the American Association of Petroleum Geologists, of the Southwestern Geological Association and

the Tulsa Geological Society.

In 1903 Mr. Valerius was married. He has one son, Claude, who is now attending the Missouri School of Mines. He is never too busy to remember that the success of his business depends on his good health, and when the opportunity arises, he leaves for the woods, where he ardently enjoys the many various kinds of hunting found amidst the unfrequented trails of the forest.

He belongs to the Masonic fraternity, having become a member of the lodge in Kansas since which time he has taken the Scottish Rite degrees, and is also a member of Adkar Temple of the Mystic Shrine. He likewise has extended his membership relations to the Independent Order of Odd Fellows, and is at all times a worthy follower of the teachings which are based upon man's obligations to his fellow men.

'08 H. G. S. Anderson, E. M. '12, formerly assistant superintendent of Chino Copper Company, and his family are in Rolla for a short stay.

'12 E. D. Lynton, who at present is in charge of geological work in Texas for The California Company, will after April 15th be in charge of all geological work in Southern California for the Standard Oil Company. His headquarters will be 634 Higgins Building, Los Angeles.

'23 V. L. Whitworth left Rolla Sunday to accept a position in the geology department of the Roxana Petroleum Corporation Tulsa, Okla.

'23 Elba Fipps has been appointed County Surveyor of D.

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VOCATES.

Dr. McFarland called at the house of I. P. Thompson one day last week, and delivered a baby girl weighing thirteen and one-half pounds. The proud father passed out cigars to half of the oil class.

Geo. W. Berry, "Ole" Elliott, Joe Riggs, E. A. Shirley, Fred Shneeberger, Townsend, "Lightning" Neal, "Attie" Atkinson, and several others from here were at the State Encampment given by the Veterans of Foreign Wars. The encampment was held at Columbia, Missouri, and was a grand success, the boys say. Fred Schneeberger was elected to office, and all report a grand time. We are glad to see our boys do well.

The Vocational class in Highway Engineering has discontinued their course in bookkeeping, and are now spending the time, formerly given to bookkeeping, in cost accounting.

The American Legion is intending to give a dance in the near future. Tickets will be on sale by the middle of the week. This affair is expected to be the best of the season.

After much effort on the part of those representing the local Post of the American Legion, they have at last been successful in getting the world's greatest motion picture of the World War. This picture is indeed a masterpiece, and no one should miss it, for it is in a class by itself. It is much the same plot as "The Four Horsemen," only it is an exclusive picture. It is entitled "A Man Without a Country," and shows a man who served in several armies during the late war and at last became a man without a country. This picture will be shown at the Rolla Theatre April 19, 1923. Turn out, Vocates, and see this picture, for you will appreciate it more than others.

Some of the boys at the L'Abri Club received very important telegrams, collect, April Fool's Day.

Paul W. Ost spent several days in St. Louis last week attending to business.

R. O. Brown has been called in to St. Louis by the Medical Board of the Veterans Bureau for a physical examination, and advice.

C. W. Thatcher returned last week from a trip to St. Louis for a pair of eye glasses.

Harry Jones received the third degree in Freemasonry last Tuesday night.

Several new men have been added to the Vocational class, but so far we have not obtained their names.

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